

AMENDMENTS TO CLAIMS

1. (cancelled)
2. (cancelled)
3. (cancelled)
4. (cancelled)
5. (cancelled)
6. (currently amended) A device for sampling air, The device of Claim 5 wherein the device comprising:

an at least partially airfoil shaped frame, the frame including top and bottom opposing surfaces each of the surfaces defining a leading edge and a trailing edge, wherein a part of the frame defines an interior space between the top and bottom opposing surfaces and a part of the frame occupies at least a part of said interior space; and

the absorbent filter media for fitting inside the frame is a pleated absorbent filter media for engaging the frame, the filter media being capable of absorbing particulate matter from an airstream.
7. (currently amended) The device of Claim 4 6 wherein the absorbent filter media is electrostatically charged.
8. (currently amended) The device of Claim 2 6 wherein the frame defines an opening adjacent the leading edge and adjacent the trailing edge.
9. (original) The device of Claim 8 wherein the shape of the opening adjacent its leading edge is optimized such that the average velocity of the air in the opening is substantially equal to the average velocity of the free air stream when there is relative motion of the frame with respect to the air.
10. (currently amended) The device of Claim 4 6 wherein the longest dimension of the frame is between 1.0 and 12.0 inches.
11. (currently amended) The device of Claim 4 6 wherein the total weight of the frame and absorbent material is less than about 5.0 ounces.
12. (currently amended) The device of Claim 4 6 wherein the frame is formed by an injection molding.
13. (currently amended) The device of Claim 4 6 wherein the frame is formed at least partially from one of the following materials: plastic, nylon, carbon fiber, or a composite.

14. (currently amended) ~~The device of Claim 2 wherein further including~~ A device for sampling air, the device comprising:

an at least partially airfoil shaped frame, the frame including top and bottom opposing surfaces each of the surfaces defining a leading edge and a trailing edge, wherein a part of the frame defines an interior space between the top and bottom opposing surfaces and a part of the frame occupies at least a part of said interior space, the frame further includes including at least one end plate for holding the top and bottom opposing surfaces in spaced apart relation ;

an absorbent filter media for engaging the frame, the filter media being capable of absorbing particulate matter from an airstream; and

15. (currently amended) ~~The device of Claim 1 further including~~ A device for sampling air, the device comprising:

an at least partially airfoil shaped frame;

an absorbent filter media for engaging the frame, the filter media being capable of absorbing particulate matter from an airstream; and

a vehicle being capable of moving through an airstream and being capable of engaging the frame, the frame adapted to include a mounting plate for rotably mounting the frame with respect to the vehicle such that the frame can be moved between a use position in the airstream a stored position out of the airstream.

16. (currently amended) The device of Claim 4 ~~6~~ further including a vehicle to propel the frame through the air and a bracket to mount the frame to the vehicle.

17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (cancelled)